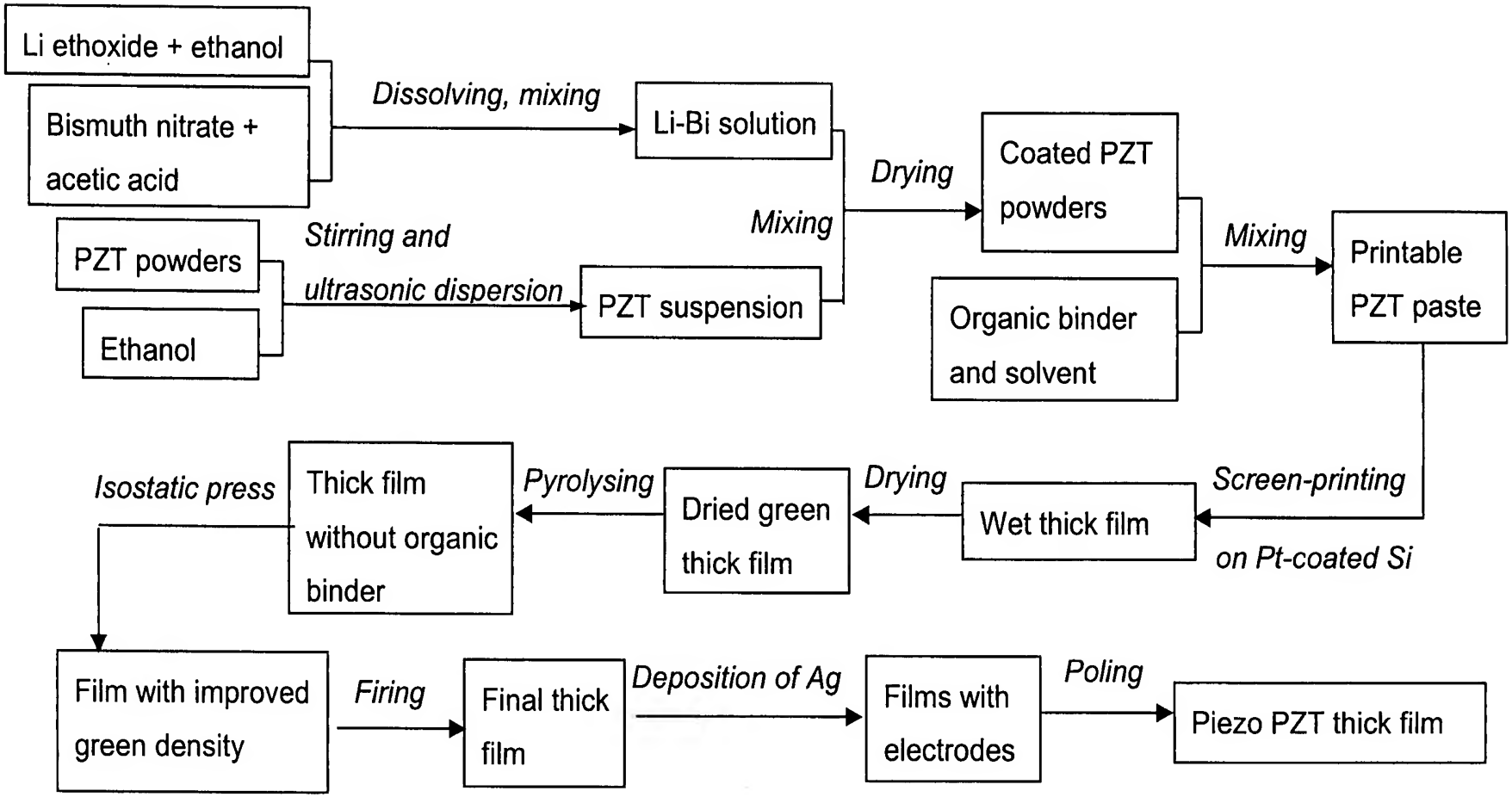
Li ethoxide + ethanol
Bismuth nitrate + acetic acid
Dissolving, mixing
Li-Bi solution
Drying
Coated PZT powders
Mixing
Printable PZT paste
PZT powders
Ethanol
Stirring and ultrasonic dispersion
PZT suspension
Mixing
Organic binder and solvent
Isostatic press
Thick film without organic binder
Pyrolysing
Dried green thick film
Drying
Wet thick film
Screen-printing on Pt-coated Si
Film with improved green density
Firing
Final thick film
Deposition of Ag
Films with electrodes
Poling
Piezo PZT thick film

Figure 1